

Use Attainability Analysis

for

WBID 1260 Panther Creek

Submitted by BWR

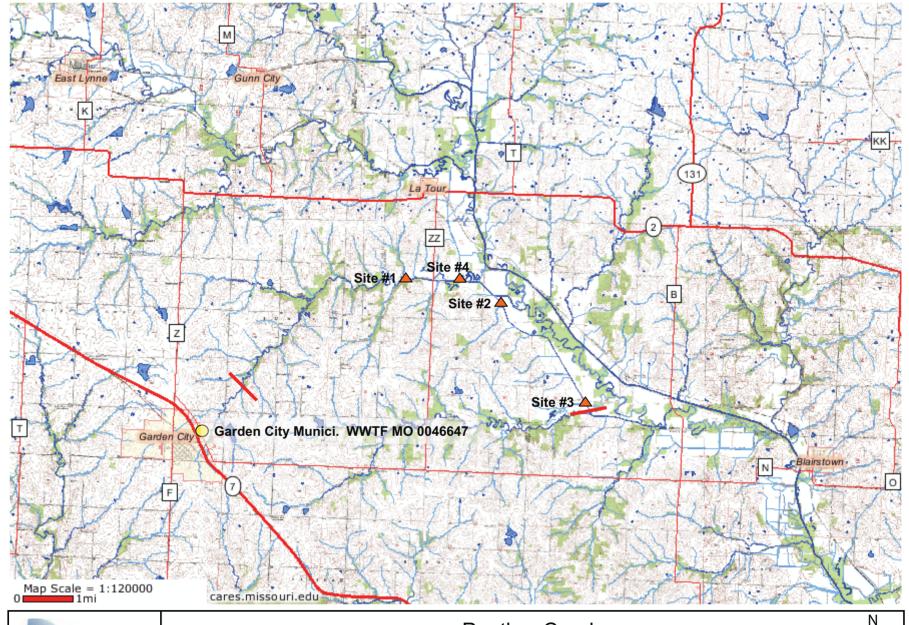
June 1, 2007

Submitted to:
Missouri Department of Natural Resources
Division of Environmental Quality
Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

.I. <u>W</u> ։	ater Body Infor	mation (For water body being su	rveyed)						
V	ater Body Nam	e (from USGS 7.5' quad):	Pan-	ther Creok	-				
M	lissouri Water B	ody Identification (WBID) Nur		760					
8-	-digit HUC:	102 90108		County: CAGS					
U		Description (from Table H):	15.	44N, 29W					
D	ownstream Leg	al Description(from Table H):	$\frac{1}{M}$	14/2	<u> </u>				
N	lumber of sites e	evaluated P	10.00						
L	ist all sites num	bers, listed consequently upstre	am to do	wnstream:					
		1,4,21	5						
			ment witl	assessment sites clearly labeled. Mark					
any	other items that	may be of interest.							
II. S	Subegmentation	(fill this section out only in ca	ases wher	e subesgmentation is being proposed)					
200	ocation coordinat	ES/JUNIVERSAL TRANSVERSE MERGATOR I	ROJECTION	IN METERSTAL SECTION AND ADMINISTRATION OF THE PROPERTY OF THE					
	Jpstream Coordi UTM X	nates:		Downstream Coordinates: UTM X Y					
	ORIZONTAL COLLECT	ION MET HOD (Indicate the method used to det	ermine the loc	ational data)					
:4Z:		lobal Positioning System (GPS)		Interpolation					
\ <u>\</u>	Static Mode			Topographic Map or DRG	_				
C	Dynamic Mode (Kine	ematic)		Aerial Photograph or DOQQ					
F	Precise Positioning	Service		Satellite Imagery					
[5	Signal Averaging		Interpolation Other						
L	Real Time Differenti	<u> </u>							
	IORIZONTAL ACCURA	CY ESTIMATE: GPS Data Quality		Interpolation Data Quality					
1	FOM	± Meters		Source Map Scale: 1:24,000 1:100,000 0	Other				
<u></u> ⊢	EPE		ters		Julie:				
	PDOP			±Feet or ±Meter	rs .				
III.	Discharger Fac	cility Information (list all permi	tted disch						
	Discharger Faci	(! `\`T / _\`.	_ 1	Municipal WWTE					
	Discharger Pern	nit Number(s): MOQ	5Ø41	0647					
IV.	UAA Surveyor	(please print legibly)							
_	Name of Survey		1 7	Telephone Number:					
-	Organization/Er								
<u>L</u> .	Position:	leam Leader	<u> </u>						
	ase verify that y	ou have completed all section	ıs, check	ed all applicable boxes and that everythi	ng is				
	20/	201-111							
Sign	ned: <u> </u>	1711 Schill		Date: <u>May 22, 2007</u>					
	February 5, 20			Page	22				





Panther Creek WBID #1260



								100	hannel F	eatur
	-							Ri	m: 75	070
BID#	0	Field	Data S	Sheets fo	r Recreati	onal Use	Stream	n Surveys	RIFFLE:	
te#			Da	ita Sneet	B - Site	Charact	erizatio	on '	POOL: 5	2007
Date & Time:	5/22/0	1		(IIIdae Di				., road crossing):	· · · · · · · · · · · · · · · · · · ·	
Personnel (Data Co	offectors):	Aloun	Mitche ex Ba	11,					sing (west	-)
Current Weather C			rast		Facility	Name: () ()	urden 1	City Munic	ipal wwt	F
Weather Condition	s for Past	10 days:	<u></u>	· · · · · · · · · · · · · · · · · · ·	Permit 1	Number:	Mb	004664	1	
Drought Condition	s?: No dr	ought □;	Phase I]; Phase II	; Phase III	l; Phase IV [∃; Unkno	own 🗆		-
ite Locations:	NATES DE	AVE DOM: 1	DANGUEZ	SE MERCATO	e pao ierano			e de la composición		
Site GPS Coordi		ГМ Х:	94.0	9973°	x/			79 4° 人		
HORIZONTAL COLL	ECTION M	ETHOD (Inc	ficate the n	nethod used to		cational data.)	0.00			
Static Mode	Global	Positioning	System (GPS)	T	Topographi	. Man or Di	Interpola	tion	T
Dynamic Mode (Kiner						Aerial Photo	graph or D			
Precise Positioning Signal Averaging	ervice			 	-	Satellite Ima			~ 4 1 1	
Real Time Differential	Processing				<u> </u>	interpolation	ZZ (WE	PSTREAM F	KON HWY	<u> </u>
HORSZONIAL ACCU	RACY EST	WATE :	(李·英)(2)	在"大学等"多。28	## ¥ \$€;41:	CASHA COLL			#	医 学进行物
	7	GPS Data						Interpolation Da	ita Quality	
FOM	±		Meters			Source Map Scale: 1:24,000 1:100,000 Other				
EPE	±	Fee	et or ±_	Mete	<u> </u>		±	Feet or ±	Meters	
PDOP notos:						<u> </u>				
	tream Pho	otos			Downstream	Photos			Other Photos	
Photo ID#		oto Purpose		Photo ID#				Photo Pur		
27, 28				29230	- 	Photo Purpose		111000 115#	rnoto rui	pose
ses Observed*	(Uses a	actually	observe							
☐ Swimming		☐ Skin			SCUBA divin		☐ Tubi	no	☐ Water skii	ing
☐ Wind surfing		☐ Kaya	king		Boating	□ Wadjng			☐ Rafting	**5
☐ Hunting		☐ Trap	<u>_</u>		Fishing				ne of the above	
Describe: (Include Use Interview who	number o	of individu	als recrea			of evidence	of recreati	ional uses, etc. U	Jse Data Sheet D-	Recreational
Ose muel view wild	ar conduct	ung miciv	iews.)		-					
urrounding Con	ndition terest.)	s*: (Mai	k all th	at promote	or impede	recreations	il uses.	Attach photos	of evidence or	
☐ City/county pa		☐ Play	grounds		conservation l	ands	☐ Urba	ın areas	☐ Campgrou	ınds
☐ Boating access			☐ Natio	al forests		☐ Naty		☐ Stairs/wal		
☐ No trespass sig	□ No trespass sign □ Fence □ St		☐ Steep	slopes		None of the above		Other:		
Comments:							. –			
dications of H	ıman L	Jse*: (at	tach pl	notos)		· · · · · · · · · · · · · · · · · · ·				
	Rope			t paths/prints	□ Dock/	platform	□ Li	vestock Watering	g D RV/ATV	Fracks
☐ Camping Sites			□ Fire	pit/ring	☐ NPDE	S Discharge		shing Tackle	☐ Other:	
Comments:	10 Pu	16 dons	P 01	hunay	U 60					
February 5,	2007 2	Fland	V. M.	titlelf	EAE,	Inc.	inees	May 22	, 2007 Page 2	23

age Two – Data S	Chart D for W	mrn	7/00 6	21+0	Yo Chann Run: 7 Riffle:10	el Featu 0 11,
age 1 wo Data : eam Morphology	Sneet B for W V:	RID #_/	<u> 700</u> :	7110 (Pool: 2	07.
Upstream View's 1		sions: Is	there any water j	present at this view	- /	
Select one of the fo		If	so, is there an o		Yes No	•
Channel Feature	Distance from a		Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RIFFLE)	man Bopin (in)
RUN	10		12	25	0.3	0.3
POOL	1				<u> </u>	
Select one of the for Channel Feature RIFFLE	Distance from a			Length (m)	☐ Yes ☐ N Median Depth (m)	O Max. Depth (m)
RUN	 					
POOL	<u> </u>					
FUUL			12	15	0.5	007
				16/	1 200	
% Cobble	% G	ravel	%.) % Sand	% Silt	100 % Mud/Clay	% Bedroo
uatic Vegetation	% G *: (Note amount	ravel of vegetation	% Sand % Sand on or algal growth		100 % Mud/Clay	
% Cobble	% G *: (Note amount tics*: (Mark all	of vegetation	% Sand % Sand on or algal growth	at the assessment si	te)	
% Cobble uatic Vegetation ater Characteris Odor:	*: (Note amount tics*: (Mark all	that apply.)	% Sand on or algal growth	at the assessment si	te)	
% Cobble uatic Vegetation ater Characteris Odor: Color:	*: (Note amount tics*: (Mark all Sewage Clear	that apply.) Musky	% Sand on or algal growth Chem	ical Milk	te) Other: Other:	
% Cobble uatic Vegetation ater Characteris Odor: Color: Bottom Deposit:	*: (Note amount tics*: (Mark all Sewage Clear Sludge	that apply.)	% Sand on or algal growth Chem	ical Milk	te) Other: Other:	
% Cobble uatic Vegetation ater Characteris Odor: Color:	*: (Note amount tics*: (Mark all Sewage Clear	that apply.) Musky	% Sand on or algal growth Chem	ical Milk	Ooker:	
watic Vegetation ater Characteris Odor: Color: Bottom Deposit: Surface Deposit: mments: Please his information is not apprehensive understatision on the recreation	*: (Note amount tics*: (Mark all Sewage Clear Oil attach any add to be used solely adding of water con use analysis but to have complete	that apply.) Musky Green Solids Scum itional conditions. Continuous point and sections.	% Sand on or algal growth Chem Gray Fine s Foam mments () to the conditions that the conditions that the conditions that the conditions, checked a	ical None Milke Mone Mone None None is form. use designation but information is not in the need further analysis. Il applicable boxe	Ooker:	ore ence a use.

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

_	WBID#	1260	Sife #	1	
İ	Distance from	Depth	Rank	Assigned Rank	Sorted depth
+ 11	Stream edge	_		1 1001 SHOOT TOUR	Sorted deput
Transect A	wethed width	(0.1		1 Channeltea	kin :
2	400 m	0-1		2 RUN	1476
3		0.1		3	
4	measurements	0.2		4 Dissolved O	Yu aan
56	0.4 n	0.2		5	JJ -
6	apant	0.2 0.2 0.2		6 8.60	10.576
7		0.2		7 96.2	1700
8		0.2		8 20.7	00
9		0.2		9	
10	· · · · · · · · · · · · · · · · · · ·	0.1		10	
				11	
ransed B 1	wetted width	101		12 Channel	Trahue.
2	80 m	Oel		13	
3		0e1		14	
4	<u>measurements</u>			15 Dissolved	Oxugen:
5		0.2		16 RUN	Oxygen:
67	a nart	0.2		16 RUN 17 8.65	ppm
9		0.3		18 96.3	17
		0.3		19 20-7	
9				20	
10	<u> </u>	<0.1		21	
+ 10	1.1011-1 .111	201		22	
transed 1	wetted width	₹0.1		23 Channel +	eatere!
2	0.0_m			24 RUN	
3 4	A	0.1		25	
	measurements	0.2		26 Dissolved	Okyaen
56	- 2- 4	0.		·	Okygen - Par
7	apart	0.1	 	. <u>8.73</u> . 97.3	por
8		0.1			100
9	· · · ·	0.1		n 20.7	
lo		<0.1	<u> </u>		
ع ا		NO 1			

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Month Mithell	Date: May 22, 2007
Organization: FBE, Mc-	Position: Euroson mantel Primier
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

		1260	Sik #	<u></u>	
	Distance from	Depth	Rank	Assigned Rank	Co-t-2 3 - 4
ansect D	Stream edge			1 1251 gricu Kalik	Sorted depth
unsect D	THE IF I DOTOTTO	<0.1		1 Channel Fea	beco.
2	700 m	Oel		2 RUN	101
7	7	0.1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
7	measurements			4 Dissolved O	Sugar
.7	0.7 n	0.1		5	July Comment
<u> </u>	apart_	Oel		6 B-73	
	,	Or		7 97.8	ppn
8		0.1		8 20.5	
-		<0.1		9	
10	, 	<0.1		10	
				11	· ·
nsed E	welled width	<01		12 Channel	Feature :
2	5.5 m	0.1		13 RUN	
3	<i>,</i>	0-1		14	
4				15 Dissolven	Oxygen:
5	0.5 m	0.1		16	J. J.
67	- apart	0.1		17 8-78	
Ġ	L	0.2		18 97.5	ppm
9		0.2	/	19 20.7	2
10		0.1		20	
		<0e1		21	
-m- (T=	intellation 111	101		22	
inved El	welled width	40.1		23 Channel	Carre:
3				1 24 RIFFL	Ħ
4	magines	0e 1		25	·
5	neasurments 0.4 m	001		26 Dissolved	Okygen
Ğ	apart	KOI	 		00
7		<0e1		9.03	Por
g		601		. 109	
9		0.1		n 20.7%	
10	7	<0.1		++	
		1 1/61		<u> </u>	

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Slacks Mitchell	Date: May 22, 2007
Organization: BAE, INC.	Position: Environmental Engineer
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

		1260	Sik #		
	Distance from	Depth	Rank	Assigned Rank	Sorted depth
	Stream edge			1 iosigned Rink	Sorred debut
nsect O	wethed width	0-1		1 Channel Fea	dies :
2	2.0 m	Oel		2 RUN	
7	7	0.2			
4	"PERIOTETHENIS	0.2		4 Dissolved O	30100+
.5	0.2 n	0.2		5	Jugere
6	apart	. 0.2		6 9.08	-
	/	Oel		7 101.0	pon
8	<u></u>	<0.1		8 20.79	1
-		<001		9	
li	Ŷ 	<0.1		10	
. 1				11	
used H	wetted width	<oel< td=""><td></td><td>12 Channel</td><td>Feature :</td></oel<>		12 Channel	Feature :
2	5.0 m	0.2		13 RUN	
2		0.3		14	
9		0.3		15 Dissolved	Oxugen:
5		0-3		16	Oxygen:
9	apart	0.3		17 8.91	ppm
9	L.			18 99-4	17
g		0-2			e C
10		0.1		20	
, ,,,	´ 	<0.1		21	
n. (T	1 salelled in All			22	
ned	wetted width	<0-1		23 Channel	entre:
3		0.4		24 700	
ζ	z1	0.5		25	<u> </u>
5	D.B.m	0.4		26 Dissolved	Oxygen
Ĝ	apart	0.3		·· · · · · · · · · · · · · · · · · ·	
7	7 Capacit	0.3		8.76	Poli
S	7	0.3		98.0	- /-
9	7	0.4 0.3 0.3 0.3 0.2		n 20-7	٥
10		< O+1		 	
		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

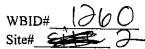
Signed: March Matchell	Date: May 22, 2007
Organization: FAE, Inc.	Position: Enveronmental Ennuer
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from	Depth	S/k #	Assigned Rank	0.411
. F-x	Stream edge			Assigned Kank	Sorted depth
sect I		<0.1		1 Channelton	
2	7.0 m	0.2		2 POOL	nure:
2	7	0.2		3	
4	measurements	0.3		4 Dissolved	244004
5		0.3		5	Niger
6	apant	0.3		6 %05	10.020
		0.3		7 99.7	- ppa
8		0.3		8 20-7	00
-		0.2		9	
ll	<u> </u>	- CO.I		10	
*/	1 11 11 11			11	
ed K	wetled width		<u> </u>	12 Channel	Feature:
3		<0./		13 POOL	
4	/	<u> </u>		14	-
5				15 Dissolve	1 Oxygen:
		0.2		16	N
67	- crytari	0.2		17 8-87	ppm
9	,	0,3		18 98.7	
9				19 20-8	3 00 4
K		6.3 50.1		20	
		, VII		21 22	
led 1	wetted width		-		_
2				23 Channel	reatere:
3				25	
4	measurements			26 Deschired	Oxygen
5				- Dissolved	Juggen_
6					
7					- Por
8	,			n	
10					

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Ale W. W. Lell	Date: May 22 2007
Organization: FAE, MC	Position: En nonneutal Enquier
February 5, 2007	Page 25



Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization

1 prentur

SIU	CIT			Da				υπαταςτ i for each		on '		
	Date & Time:	10:00a	416	4 22		07	1			road crossine):	FROM SW 186	IRD:
	Personnel (Data Collectors): Alex Bartlett					WEST	WEST THROUGH DEALNAGE DITCH ~ 1/4 MILE TO MAIN STEM PANTHER CREEK					
	Current Weather	Current Weather Conditions: Ever cast					Facility	Name:	arder	CHU MU	nicipal WM	VTF
	Weather Condition	ons for Past								246647		<u> </u>
	Drought Condition	ons?: No di	rought 🛂	Phase I]: Phase	e IJ □: 1	Phase III					
Si	ite Locations:						·					
	LOCATION COOR	DINATES (U	NIVERSAL	TRANSVER	SE MER	CATOR	PROJECTION	L, DL METERS			wake was	
	Site GPS Coord			94.0	829	40W	<u>//</u>	Y: 38	3.60	1890 No		
	HORIZONTAL CO	Global	IETHOD (In Positioning	dicate the m	nethod us	sed to det	ermine the loc	cational data.)				
	Static Mode		Coldonnig	Cystem	<u> </u>			Topographi	c Map or Di	Interpolati	ion	
	Dynamic Mode (Kin Precise Positioning							Aerial Photo		DQQ		·
	Signal Averaging	Service	· · · · · · · · · · · · · · · · · · ·					Satellite Ima				
	Real Time Different	ial Processing						Interpolation	n Other - C	204 SM 180	I RD;	
	HORIZONTALACE			7. 10 2. 20 3.		13- 2-73		lwest 1	HX0061	<u> 1 Dealdage</u>	DITCH TO MISTE	M PANHE
			GPS Data							Interpolation Dat	a Quality	Charles Harrison Harrison
	FOM	±	· · · <u></u> -	Meters								
	EPE	±_	Fe	et or ± _		Meters		Source	се мар Ѕса	le: 1:24,000 1:100,0	000 Other	
	PDOP							1	±	Feet or ±	Meters	
Ph	otos:											
	Մլ	ostream Pho	otos			I	Downstream	wnstream Photos Other F			Other Photos	
	Photo ID#	Pho	oto Purpos	e	Photo	Photo ID# Photo		hoto Purpos	noto Purpose Photo ID#		Photo Purpo	ose
	35 836				37	138		3/, 32,				
Us	es Observed	*: (Uses :	actually	observe	ed at t	ime of	survey.)			33,34		
	☐ Swimming		☐ Skin	diving		□ sc	CUBA divin	g	□ Tubi	ng	☐ Water skiing	g
	☐ Wind surfing		☐ Kaya	king	ıg 🗆 Be		Boating		☐ Wading		☐ Rafting	-
	☐ Hunting		☐ Trap	ping		☐ Fishing			None	of the above	☐ Other:	
	Describe: (Include Use Interview when the Use Interview when the Use Interview when the Use Include In	ie number (nen conduc	of individu ting interv	ials recreatiews.)	ting, pho	oto-doci	mentation of	of evidence	of recreati	onal uses, etc. Us	se Data Sheet D- Re	creational
_	<u></u>				-	-WIS	DIMIN'	T- 6/2		21/05 . 4	antino no the	Pout
uni	urrounding Cousual items of in	ondition nterest.)	s*: (Ma	rk all tha	at pron	note or	impede r	ecreationa	al uses. A	Attach photos	of evidence of	
	☐ City/county p	oarks	☐ Play	grounds	Пν	ADC cor	nservation la	ands	☐ Urba	n areas	☐ Campground	ds
	☐ Boating acce	sses	☐ State	parks	☐ P	Vational	forests		□ Natur	æ trails	☐ Stairs/walky	
	☐ No trespass si	gn	☐ Fend	e		Steep slo	pes		☑ None	of the above	☐ Other:	
	Comments:											
Inc	dications of F	luman U	Jse*: (at	tach ph	otos)				, <u> </u>			.=
	Roads	☐ Rope	swings	☐ Foot	paths/p	rints	☐ Dock/p	olatform	Liv	estock Watering	□ RV / ATV Tr	acks
	☐ Camping Site	s		☐ Fire p	pit/ring		☐ NPDE	S Discharge		shing Tackle	☐ Other:	
	Comments:		Nos	ævide	150	51 W	h who	11 1151	0,			
	February 5	, 2007	,— 			0	QX EA	I.M., S E, Inc.	May 2	2,2007 xx cround	uth Engl.	

4.8×15100m	240 = 7 20 m Sheet B for WBID #_			70 Channe Run: 91 Ritt	1 Featur
100+	940 - 72041			Run, 98	27'
Page Two _ Data	Sheet R for WRID #	12/00.	ito #2	1217	Pulo:
Stream Morpholog	in: Sueer d for Math #-	10100: 9	31 ICA	000	T=:10/
	Physical Dimensions: 1	s there any water i	present at this vieu		: 01,
-		If so, is there an o			
Select one of the	following channel featur	es:	ovious current?	□ Yes □ No	
Channel Feature	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RIFFLE RUN	700				
POOL	720 _u	8.0	100	0.1	0.3
TOOL	, , , , , , , , , , , , , , , , , , , ,	1 1/4	· · · · · · · · · · · · · · · · · · ·	. /	1
Select one of the	w's Physical Dimensions following channel featur	If so, is there ares:	obvious current?	iew? 🗆 Yes 🗆 No	
Channel Feature RIFFLE	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RUN	720	6.0	100	1	0 7
POOL	7.	6.0	/ω	001	0.3
ubstrate*: (These	values should add up to 100)%.)		<u> </u>	<u> </u>
% Cobbl		% Sand	% Silt	70 % Mud/Clay	% Bedroc
	With the state of			,	
}	stics*: (Mark all that apply			·	
Odor:	☐ Sewage ☐ Mus	ky 🗆 Chemi	ical A None	☐ Other:	
Color:	☑ Clear ☐ Gree	n 🗆 Gray	☐ Milky	/ ☐ Other:	
Bottom Deposit:	☐ Sludge ☐ Solid	ls 🗆 Fine s	ediments None	☐ Other:	
Surface Deposit:	□ Oil □ Scur	n 🗆 Foam	None	☐ Other:	
Comments: Please	attach any additional c	omments () to th	is form.		
comprenensive underst	t to be used solely for remo- anding of water conditions. on use analysis but may poi	Consequently, this	information is not in	tended to directly influe	ence a
Please verify that yo	u have completed all se	ctions, checked al	ll applicable boxe	s and that everything	g is complete.
Surveyor's Signature	Den Dr. Mitel	ill	Date of Surve	y: Mar, 22, 20	907
Organization: E	AE, Inc.		Position:	Ear	

	31D# 1260	Sik #	<u></u>	
Distance fr	om Depth	Rank	Assigned Rank	0-4-11-4
Stream edg	je l		Assigned Kank	Sorted depth
sect A wethou	idth <0.1		1 Channelton	tuen:
2 95	Om (00)		1 Channeltea 2 RIFF	A F
<u>را</u>			1 1 2	
" measures	ments 201		4 Dissolved O	Xunar.
5 0.5 6 apar	n <001		5	Vijere
6 apar	F 0.1		6 15:18	
8	0.1		7 164.5	pon
8	Del		8 20.9	OC.
·	- Oul		9	
10	<0.1		10	-
0 110/1			11	
ed B 1 welled w	idth <0c/		12 Channel	Cohne !
			13 RUN	
4 measure	0,1		14	
	ements Oct		15 Dissolved	Oxygen:
			16	Je
6 apra			17 15.22	nom.
9	0./		18 /62.9	17
9	01	<u> </u>	19 20,4	oc.
10	0./		20	
, ,	20.1		21	
ed (1 Wetted v	vidth <0.1		22	
ed C1 Welled v	m 0.2		23 Channel F	entre:
3	0.2		24 RUN	
y mensuren	nents 0.2		25	
5 0.8	m 0.2		26 Dissolved	Okygen
6 a 24	+ 0.2			
ZI .	/2 i/		14.5	an
9	<0,0		1000	16/2
	-0,1	-	n 20.8	0
10	<0.1			

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: While Will	Date: Mac 22, 2007
Organization: EAE, Inc.	Position: Env. Engr.
February 5, 2007	Page 25

	Distance from	Depth	Sik #_		7
1_	Stream edge		T.CHIE.	Assigned Rank	Sorted depth
isect Di	wetled width	₹0.1		1 Ch 1+	
2	Wethed width	Oel		1 Channelter 2 RUN	dure:
5		Oct		3	
4	measurements	Oe		4 Dissolved	2
.5	0.8 n	Oe1		4 Dissolved C	xyger
6	apant	0			
7		0.2		6 14-63	pon
8 9		<0.3		8 20.5	or or
•		0.2		9	1
lo	<u> </u>	· O. I		10	
	110/1/11/11			11	
ed El	Wetled width	<0.1		12 Channel	Frature:
3		001		13 RUN	
4	measurements	0.2 0.2		14	
5	0-8 m	0:2		15 Dissolved	Oxygen:
	ayart	0.2		16	
4	- July	0.3		17 1.4:6	
9		0.3		18 /58-6	
9		-0.2		19 2009	00
10		<0.1		21	
				22	
ed F1	Wetted width	· <0.1		23 Channel	Technol
2	800 n			24 RUN	anife:
3		-0.2		25	
9	neasurments 0.8_m	0.2		26 Dissalved	Oxygen
5	0.8 m				Jigges
67 89	apart	0.2		. 15.05	-
/ ♥		0.2		. 165.2	Por
3		0.3 Q.3		n 21.0	00
10		0.1			

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Apollo Mitchell	Date: May 22, 2007
Organization: EAE, Inc-	Position: Ew-Engs
February 5, 2007	Page 25

	- 1000	Sik#_ E		
	Depth	Rank		Sorted depth
Stream edge			1 ibbighed Katik	Soried depth
welfed width	001		1 Channelton	6.50
8.0 m	- 0.3		2 RUN	MIG.
	6.2		3	
measurements	0.2		4 Dissolved (· · · · · · · · · · · · · · · · · · ·
0.8 n	0-2		5	ygen
apant	0.1			
	10.1			ppn
	<0e1		8 2/0	9
	<0.1		9	
	\$0.		10	
			11	
wetted width			12 Channel	Troken '
70 m			13 RUN	· ·
			14	
	0.2		15 Dissolved	Oxugen:
			16	1
- apart			1/ /5.52	pom
				ppm
				· 0C
		 		
	(Oe)			
welled width	10.1			
7.0 m		 	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	entre:
		 		
measuremants	0.2			<u> </u>
0.7 m	0.2		20 DISSOlved	Oxygen.
	0.3		15/13	
	-0.4			Por
	0.3			0
	0,2		- Lie Z	1-C
	<0.1		 	-
	Distance from Stream edge Wethed width B.O. M Measurements O.B. M apart Wethed width Is O. M measurements O. 7 M apart	Stream edge Wethed width Ocl 8.0 m 0.3 6.2 Measurements 0.2 0.8 n 0.2 apart 0.1 <0.1 <0.1 40.1 Wethed width 0.1 7.0 m 0.2 apart 0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.2 0.2 measurements 0.2 0.2 measurements 0.2 0.1 <0.1 <0.1 <0.1 <0.1 0.2 0.2 Methed width <0.1 0.2 0.2 0.3 0.4 0.4 0.3	Distance from Stream edge Wether width Ocl 8.0 m 0.3 Measurements 0.2 0.8 n 0.2 apart 0.1 <0.1 <0.1 <0.1 40.2 40.3 40.4 40.3 40.3	Distance from Stream edge

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Alasto, Hitalell	Date: <u>May 22</u> 2007
Organization: <u>BAE/nc.</u> February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

		1260	Sik #	ination of inedian depth	,
	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
insect 🗐	Welf d width	KO. (
2	7.0 m	0.3		1 Channeltee	rure:
3		0.2		2	
4	measurements	0.1		4 Dissolved O	24.00
		0.1		5	Nygen
6	apant	20.1		6 21.3	
8		0.2	 	7 174-9	ppn
ğ		0.1		8 16.2	00
lo		70,1	 	9	
				11	
sed [_1	wetled width	<0ε1			Feature:
3	7.0 m	<0-/		1 13 RUN	
4	measurements	<u> </u>		14	
5	0.7 m	0.1		15 Dissolved	Oxygen:
67	O.7 m	Ou 1		17 /6-73	2
9		O.1		18 177.5	
9		0,1		19 21-3	00
10		<0-1		20	
		0.1		21 22	
ned 1	Wetted width			23 Channel	72.622
2	n			24	conure:
3 4	0.00			25	
5	measurements			26 Dissolved	Oxygen
~	apart			<u> </u>	
6 7				<u> </u>	Por
8				n	
10					
• •		_ _			

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

t, the undersigned, hereby affirm to the best of r datas heet is true and accurate.	ny knowledge, that all information reported or	this UAA
Signed: <u>Alae W. W. tehell</u>	Date: May 22, 2007	,

Organization: <u>BAE</u>, Inc.

February 5, 2007

Position: Ew Engr

WBID#_	1260
Site#	3

February 5, 2007

Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization

(must be completed for each site) Site Location Description (c.g., road crossing): BRIDGE CROSSING Date & Time: :30 roug @ SW 1275 TH RD (JOHNSON CO.) Personnel (Data Collectors): Alou Facility Name: Former Current Weather Conditions: Weather Conditions for Past 10 days: Permit Number: MODIT Drought Conditions?: No drought \(\overline{\pi} \); Phase I \(\overline{\pi} \); Phase II \(\overline{\pi} \); Phase IV \(\overline{\pi} \); Unknown \(\overline{\pi} \) Site Locations: LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS) Site GPS Coordinates: UTM X: HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the locational data) Global Positioning System (GPS) Interpolation Static Mode Topographic Map or DRG Dynamic Mode (Kinematic) Aerial Photograph or DOQQ Precise Positioning Service Satellite Imagery Signal Averaging Interpolation Other - SW 1275TH PD Real Time Differential Processing () outson co.) HORIZONIAL ACCURACY ESTIMATE **GPS Data Quality** Interpolation Data Quality FOM ± Meters Source Map Scale: 1:24,000 1:100,000 Other EPE ± Feet or ±_ Meters ____Feet or ± ___ Meters PDOP Photos: Upstream Photos Downstream Photos Other Photos Photo ID# Photo Purpose Photo ID# Photo Purpose Photo ID# Photo Purpose Uses Observed*: (Uses actually observed at time of survey.) ☐ Swimming ☐ Skin diving ☐ SCUBA diving ☐ Tubing ☐ Water skiing ☐ Wind surfing □ Kayaking ☐ Boating ☐ Wading ☐ Rafting ☐ Hunting ☐ Trapping ☐ Fishing None of the above ☐ Other: Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D-Recreational Use Interview when conducting interviews.) Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) ☐ City/county parks ☐ Playgrounds ☐ MDC conservation lands Urban areas ☐ Campgrounds ☐ Boating accesses ☐ State parks ☐ National forests ☐ Nature trails ☐ Stairs/walkway ☐ No trespass sign ☐ Fence Mone of the above ☐ Steep slopes ☐ Other: Comments: Indications of Human Use*: (attach photos) ☐ Roads ☐ Rope swings ☐ Foot paths/prints ☐ Dock/platform ☐ Livestock Watering ☐ RV / ATV Tracks ☐ Camping Sites ☐ Fire pit/ring ☐ NPDES Discharge ☐ Fishing Tackle Other: Comments: 4EInc. 5/22/2007 Page 23

Env. Engr

,				Run!	Feature
•				Run'	
		1000	100	RIFFLE!	
* Page Two – Data	Sheet B for WBID #_	1060: 9	ite >		
Stream Morpholog	i y :			P00:L:	
Upstream View's	Physical Dimensions: I	s there any water	present at this view	? □ Yes □ No	
Select one of the f	following channel featur	If so, is there an e	obvious current?	□ Yes □ No	•
Channel Feature	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RIFFLE					
RUN	270 mg	8 m	150m	0.1	0.3
POOL					•
Select one of the f	w's Physical Dimensions following channel featur	If so, is there a	ter present at this vi	ew? 🗆 Yes 🗆 N	_
Channel Feature RIFFLE	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RUN					-
POOL	270 m	Com	150	0.2	0.3
					<u> </u>
% Cobble	values should add up to 100	%.) % Sand	% Silt	% Mud/Clay	% Bedroc
Aquatic Vegetation	n*: (Note amount of vegeta	ition or algal growt	n at the assessment sit	e)	
	stics*: (Mark all that apply	<u>/.)</u>			
Odor:	☐ Sewage ☐ Musl	ky 🗆 Chem	nical None	☐ Other:	
Color:	☑ Clear ☐ Gree	n 🗆 Gray	☐ Milky	☐ Other:	
Bottom Deposit:	☐ Sludge ☐ Solid	ls 🗆 Fine	sediments None	☐ Other:	· - · ·
Surface Deposit:	□ Oil □ Scun	n 🗆 Foam	☐ None	☐ Other:	
Comments: Please	attach any additional c	omments () to the	us form.		
comprehensive understa	t to be used solely for remo- anding of water conditions. on use analysis but may poi	Consequently, this	information is not int	tended to directly influ	ence a
Please verify that yo	ou have completed all sec	ctions, checked a	ıll applicable boxes	and that everythin	g is complete.
Surveyor's Signature	E, Inc.	tele	Date of Surve	y: Way 22,	2007
Organization: EA	E, Inc.		_ Position: Esc	y: May 22,.	

		1260	Sik#	3	•
	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
Transect		<0.1		1 66 1+	
A	1 Wethod width 2 5:0 m	0.3		1 Channelter	aure:
	5	0.4			
	4 measurements			4 Dissolved C	344004
	0.5 n	Oey		5	Niger
	apart_	0.3		6 13.46	
,		0,1		6 13.46 7 154.2	ppn 70
	8	Oel		8 22.0	00
	10	<0.1	 	9	
•		40 e)		10	
vansed	1 wetled width	Oe/	 -	11	
	2 6.0 m	0.4		12 Channel	Feature:
B	3	0-5		14	
•	4 measurements				12.
•	5 0.6 m	0e.3		16	1 Oxygen:
Q	ayart_	0.2		17 /3-29	10 10 to
		0.1		18 158=4	/ // <i>E///</i> \ \
	3	0.1		19 22.3	
	7	0.1		20	
		<0.1	<u> </u>	21	
transect	1 welled widl	0.2		22	
I PAIL VECT	1 Wetted width 2 8.0 m	0.3		23 Channel	teatire:
_	3	0.3		24 RUN 25	
	4 mediumennets	0.3	 		0.0-
	5 0.8 m	0.3		26 Dissolved	Ukygen
(a gart	0.2		. 13-78	Okygen.
•	71	0.2		105.6	167
•	9	0-1		n 22.7	100
	/o	0.			
4	o	0.1			

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Many, Mittell	Date: <u>May 22, 2007</u>
Organization: EAE, Inc.	Position: Eur. Engr
February 5, 2007	Page 25

	WBID #	£ 1260	Sik #_	3		
	Distance from	Depth	Rank		Assigned Rank	C-4-11 1
	Stream edge		_		Assigned Kank	Sorted depth
ansect	1 Wethed width				1 Channeltea	ture:
\mathcal{D}	2 7.5 m	0.2			2 RUN	
	3 4	0.100		_	3	
	MEAGGEFRENIS	Oc 00			4 Dissolved O	WIDE H
	5 0.7 n	Oct .			5	July 200
	6 apant	KO.1			6 13-92	nna .
		TOel			7 157.6	ppn
	8	0.2			8 22-5	00
		0.3			9	
	10	0.2			10	
		<u></u>			11	
injed	1 wetted width	100			12 Channel	Trobus !
		1			13	30,470
E	3	Del			14	
	4 measurement	<u> </u>			15 Dissolver	Dunen!
	5 0.3m	0-1			16 农厅工厂	Oxygen:
	6 apart	0.1			17 /5.08	ppm
	9	0.1			18 /69-7	12
		<0-1			18 /69-7 19 22-2	00
	9	70.1			20	
	10	<0.1			21	
- ,		 			22	
anvect	1 Wetted widte 2 3.5 m				23 Channel F	eatere:
		20.1			24 RIFFLE	
-	4 measurements				25	
		40.1			26 Dissolved	Okugen
	5 m	0./			•	77
	G CAP!	<0./			. 160/2	Dan
	7 9 9	20.1		_ _	. 187.6	Par
	9	<0.1			n 22.2	00
		0-1				
	10	X0,1				

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Abolls Mitchell	Date: May 22, 2007
Organization: EAE, Inc.	Position: Env. Ener-
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	WBID#	1260	Sik#3		
1	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
insect	1 Weth d width 2 BBO 5.0m	50.1		1 Channel Fea	
	2 Bes 5.0m	0.4		2 RUN	M/e:
1	<i>5</i>	0.4		3	
	9 measurements	0,4		4 Dissolved O	Xuaen.
	. ",	0-3			77
	1 apart	0.3		6 16.04	non
	8	0.3		7 182.8	ppn
	9	0.2 <0.1		8 22.0	00
	10	YO. 1		9	<u> </u>
		7021		10	<u> </u>
sed	1 wetted width 2 5.0 m	KO.1			<u> </u>
	2 5.0 m	<0.1		12 Channel 1	Cosure:
	3	TO-1		14	
	4 measurements				Drugen!
	5 0.5 m	0.1		16	Oxygen:
	6 grant	0.2		17 15e4B	
	9	0.2		18 /69.3	ppm
	9	0:1	+	19 22.0	00
	10	VO.		20	
				21 22	
rved	1 Wetted width 2 3-0 m	<0.1			
·	2 3-0 m	10.1		23 Channel F 24 RUH	eause:
	3 measurements	0.1		25 /CW/7	
		0-1		26 Dissolved	Orace
	5 0.3 m	001		. 18-21	Oxygen
	6 apart	0.2		. 14-52	DOR!
	8	0.2		16015	16%
	9	0.2		n 22.0	0
	10		 	<u> </u>	

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Have State	_Date: <u>Mou 22, 200</u> 7
Organization: EAE, MC.	Position: Eew Engr
February 5, 2007	Page 25

	WBID#	1260	Sik#_	3	11)
⊢ 1	Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
ransect	1 wethod width	< 0 - 1		1 Channelto	enturo:
	2 4.0 m	0.1.		1 Chagnelto 2 RUH	
$ \mathcal{T} $	4	001.		3	
	9 measurements 9 0.4 n	0.1.		4 Dissolved	Oxygen
	6 apart	0.2	 		
	7	0.2		6 / 6-8 7 / 87- 3	
	8	0.12		8 22.	0 °C
	·	<0.1		9	<u> </u>
	10	KD:1		10	
	well to the			11	
nsed	1 wested width 2 4.0 m	<001	+	12 Channel	Feature:
V	3	0.1		13 RU	
	4 measurements	0.1		14	
	5 oct n	0.1		15 Dissolu	d Oxygen:
	6 apart	0.1		17 152	00
	7	0.2		18 /49-	
	9	0.2			000
	9	0.1		20	
		<0.1		21	
anvect	1 Wetted width			22	/ - /
, ,	2			23 Channel	teatere:
	3			35	
	4 measurements			26 Dissalve	1 Okroon
	5				d Oxygen
	apart				an
	o apart 7 8		·		- 16/2
	9		+	n	
	10		 		
		<u>. </u>			

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Alacell Witchell	Date: <u>Mou 22, 2007</u>
Organization: EHE, Inc.	Position: <u>Env. Engr</u>
February 5, 2007	Page 25

WBID#	1260	
Site#	4	

Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization (must be completed for each site)

1					(1110)	St be co	ompieted	for each s	site)			
	Date & Time: 5/25/07 1435						Site Location Description (e.g., road crossing):					
	Personnel (Data Collectors): K. Snethen/A. Bartlett					Rd ZZ bridge crossing (EAST) Facility Name: Cardon City Municipal VIVITE						
	Current Weather Conditions: Cloudy						Facility Name: PAGGO CHA ALLAS GOOD CANTE					
	Weather Condit	ions for Past					Permit Number: MD DOLLYSTI					
	Drought Conditi	ons?: No di	ought 📿	Phase I]: Phase	II □: PI	hase III Cl-	Dhoea IV	7. 13.1			
Si	io pocanons	١.										
	"LOCATION COO	CONAIES DA	WYERS AL	TRANSVER	SE MEN	ATOR P	ROJECTION	M WEJERS				
	OVE CL'S COOL	umates: U	1M X:	- 38 J	1202	7 N		V. AGI	A 100	716 14/		
	HORIZONTAL CO	XILECTION N	رازا فالتراثر روا	dicate the n	emod usi	ed to deter	mine the loc	ational data			i erebbije.	
	Static Mode	Global	Positioning	System (GPS)					interpola	tion	AND CALL OF DW FATE CALL
	Dynamic Mode (Kinematic)							Topographic				
	Precise Positioning Service							Aerial Photo Satellite Ima		DQQ		
	Signal Averaging							Interpolation				
	Real Time Differen				·			interpolation	Other			
	HORIZONIALAG	ARMAYESI	my IE 🎉				1					
			GPS Data					1200		Interpolation Da		
	FOM	±		Meters	·			<u> </u>	· <u>·</u>	. Interpolation Da	a Quality	<u> </u>
	EPE	- - 	20 Ec					Source	e Map Scal	e: 1:24,000 1:100	000 Other	
f	PDOP	- -	PU_FE	et or ±_		Meters				Feet or ±		
Ph	otos:								~_		'	neters
· · · ·												<u> </u>
				ownstream	vnstream Photos Other P			Other P	hotos			
	Photo ID#		oto Purpos		Photo	Photo ID# Photo Purpose				Photo ID#	1	Photo Purpose
_ [L L	rean			1	dow	nstream	n			
Us	es Observed	*: (Uses :	actually	observe	ed at ti	me of s	urvev.)					
	☐ Swimming		☐ Skin				JBA diving	g	☐ Tubi	ng	7 D V	Water skiing
	☐ Wind surfing	<u></u>	☐ Kaya	king		☐ Boating			☐ Wading			Rafting
	☐ Hunting		☐ Trap	ping	☐ Fishi		ning		None of the above			
	Describe: (Inclu	de number c	of individu	als recrea	ting, pho	to-docur	mentation o	of evidence of	recreati	onal uses etc. I	Ica Data	Other: Sheet D- Recreational
	Use Interview w	nen conduct	ing interv	iews.)						ona. 0303, 010. (iso Data L	meet D- Recreational
_ [
unu	rrounding C sual items of i	ondition nterest.)	s*: (Ma	rk all tha	at prom	ote or i	impede re	creationa	l uses. A	Attach photos	of evide	ence or
	☐ City/county	parks	☐ Play	grounds	□м	DC cons	servation la	nds	☐ Urba	n areas	$T_{\Box c}$	Campgrounds
	☐ Boating accesses ☐ State parks		ПΝ	ational f	orests		☐ Nature trails			Stairs/walkway		
-	☐ No trespass s	ign	☐ Fend	e	□ St	teep slop	es		None	of the above		Other:
	Comments:					•		/				
l'nď	ications of l	luman U	se*: (at	tach ph	otos)							
	X Roads					T		-				
	☐ Camping Site	Rope s	wings		paths/pr		□ Dock/p			estock Watering	RV	// ATV Tracks
	Comments:			☐ Fire	pit/ring_		☐ NPDES	Discharge	☐ Fis	shing Tackle	□ Ot	her:
Ĺ												

February 5, 2007

					01	O CHANNEL	FEATURES
Page Two – Data tream Morpholog	<i>,</i> ·				1	Run-30 RIFFLE-0 Pool-70	
Upstream View's	Physical Dime	nsions: Is	there any water	present at	this view?	☐ Yes ☐ No	
		I:	f so, is there an o	bvious cu	rrent?	□ Yes □ No	1
Select one of the formal Feature	ollowing cham	iel feature					
RJFFLE	Distance from a	access (m)	Width (m)	Length	ı (m)	Median Depth (m)	Max. Depth (m)
RUN						<u> </u>	
POOL							
Downstream View	ollowing chan	nel feature	If so, is there ar			ew? 🗆 Yes 🗆 N	•
Channel Feature RIFFLE	Distance from	access (m)	Width (m)	Lengt	n (m)	Median Depth (m)	Max. Depth (m)
RUN							
POOL							
ubstrate*: (These	values should ad	d un to 100º	<u> </u>				
% Cobble	***************************************	Gravel	% Sand	···	% Silt	% Mud/Clay	% Bedrock
Macrophyt		·					
Vater Characteris	tics*: (Mark al	l that apply.)				
Odor:	Sewage	☐ Musk	y 🗆 Chem	ical	None	☐ Other:	
Color:	Clear	☐ Green	ı ☐ Gray	,	☐ Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	X Solids		ediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	☐ Scum	☐ Foam		None	☐ Other:	
Comments: Please This information is no omprehensive understrecision on the recreative lease verify that yourveyor's Signature Organization:	t to be used solel anding of water of on use analysis b ou have comple	ly for remove conditions. (out may poin eted all sec	al of a recreational Consequently, this t to conditions that	l use desigr informatio t need furth	n is not into er analysis ble boxes	ended to directly inflior that effect another	uence a r use. ng is complete.
Organization: E	SWR U		~.	_ Position	n: En	v. Scientist	

	Distance from	Depth	Sike #	Assigned Rank	
ansect A	Stream edge			ASSIGNED KANK	Sorted depth
"" L L	Welfed width	Dilm		1 0/	
2	9.8 m	0.3m		- Vannel Fr	rature: Pol
7		0.2 m			
4	measurements	0.4m	- 	3	
5	0.88	0.3 m		4 Dissolved	Oxusen
5	apart	0.3 m		4 Disselved	40
7	7	0.3 m		6 11,00	pen
8		0.2 m		7 110	127
9		0.2 m		8	
10				9	
		0.1 m		10	
ra B	wolf-duill	Oilm		11	
2	Wethed width			12 Channel	Februe: Por
3		0.2 m		13	Tarue: 100
4	22.24	0.2 m		14	
5	Diff n	0.2 m			12
		0,2m		16	e exygen:
4	gjart	0.2m		17	+ ~
9		0.2m		18	ppm
9		0.2m		19	
10		0.2 m		20	
/ -		0.2m		21	
10-4 C 1	10/0/1-1			22	<u> </u>
ved CI	Wetted width	60.1m			
	-0.7_M	0.2m		24 24	entre: 900
3 4		0.2m		25	
5	0.87 m	0.2 m			
		0.2 m		26 Dissolved	Oxygen
6	apart	0.2m			VJ
<u>/</u> _		0.2m		10.77	par
8		0,2m		. 107	1/2
		0.2m		n	
10_		40.1m			

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth t the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

I, the undersigned, hereby affirm to the best of my kn datasheet is true and accurate.	lowledge, that all information reported on this UAA
Signed: Kerry Another	_Date: 5/25/07
Organization: BWR	
February 5, 2007	Position: Env. Scientist Page 25

	Distance from Stream edge	Depth	Sik #_	Assigned Rank	
ansectD,	wall too: 141	(0)		. margined Walls	Sorted depth
2	Wether width	20.1m		1 Changet	
5	013 m	Oilm		2	coure: Poo
\dot{q}		0.2m		1 2	
5	measurements 0.85 n	0,2 m		4 Dischal	
6		0,2m		4 Dissolved	xygen_
7	apart	0,2m		6 10.70	
8		0.2 m		7 107	ppn
9		0.1 m		8	- /4
10		0.2 m		9	-
		Oilm		10	
ved E	Wellederst		<u> </u>	11	
- 2	wetled width	20.1 m			Feature: POO
3		0,1 m		13	Tatue: 100
4	measurements	0.1 m		14	
5	0.79	0.1 m		15 Deschie	100
6	ajiant	0.2 m	 	16	d Oxygen:
外		0.2 m		17 10.42	
9		0.2 m	· · · · · · · · · · · · · · · · · · ·	18 104	ppm
9		0.1 m	<u> </u>	19	
10		40.1 m		20	
}_		O I I VVI		21	
red F1	Weffed width	40.1 m		22	
- <u>-</u> -	+. L _ M_	0.1 m		23 Channel	Catre: POOL
3		Dilm			
7	0.72 m	0.2 m		25	
21-		0.1 m		26 Dissolved	Okygen
6	apart	0.2 m		10.25	UJ
9		0.1 m		10.25	par
9		0.1 m		102	12
10		D.Im		n	
٠٩_		LOILM			

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

	f my knowledge, that all information reported on this UA
Signed: Kerry South	Date:_ 5/25/07
Organization: BWP February 5, 2007	Position: Env. Scientist

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	I Detaros form	1260 Depth	Sik#		
	Stream edge Wether width		Rank	Assigned Rank	Sorted depth
unsect O	wethed width	40.1 m			Pill
2	7.4 m	Oilm		1 Channel F	rature: Pool
7 4		0,1 m			. (00
_	0.74 n	O.Im		3	
5		D.Im		4 Disselved 5 6 10.09	Oxygen
7	apart	Oilm		- 13	W
8		0.2 m		6 [0.08	pen
ĝ		0.1 m		8	7.
10		Oil m		9	
,,,		60.1m		10	
vea H 1	Well-1, 111			11	
2	wethed width	40.1 m			
3		0.1 m		13	Feature: POO
4	measurements	0.1 m		14	
5	0.66	0.2 m		15 Deschie	Oxygen:
4	giart	0.3 m		16	xygen:
L		0.3 m	 	17 9.91	100
9		0.3 m	 	18 99	ppm
9		0.2 m		19	- fee
10		0.1 m		20	
- اسسار ،				21	
ved II	weffed width.	60.1 m		22	
		0.1 m		23 Channel F	catre: Pool
3 4	Madina	0.1 m		25	
5	Mediuments 0.6 m	0.1 m		26 Dissalved	
6	apart	0.1 m		Pissolved	Kygen
71	apart !	$\frac{0.1 \text{m}}{0.2 \text{m}}$. 9.86	
9		0.2 m		98	Par
9		40.1 m		n	1
10		40.1 m			

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two

I, the undersigned, hereby affirm to the best of my datasheet is true and accurate. Signed:	y knowledge, that all information reported on this UAA
signed: 100 by Shirthen	Date: 5/25/07
Organization: BWR	
February 5, 2007	Position: Env. Scientist

Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

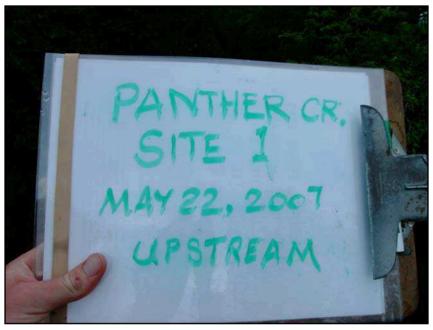
	Stream edge		Accionad Danii	
2 3 4	THE WIGHT	101	Assigned Rank	Sorted depth
3	7.0	40.1 m	1 Changett	
4	m	0.1m	2	Aire: Ru
├ ─-	Mean	0.1 m	1 2	
5	0.70 m	40.1 m	4 Dissolved	2
6		0.1 m	4 Dissolved 0	xygen
テ	apart	10	6 9.75	ppn
8		LO. 1 M	7 97	ppn
9		20.1 m	8	1/4
10		10.1 m	9	
		L0.1m	10	
Ka K_I	Wolfedriedle	40.1 m	11	
2	wethed width			
3		<u> </u>	13	Catuce: PV
4	measurements		14	
. 5	D.65 m			12.
,	quart-	601 m	15 Dissolved	xygen:
5		60.1 M	17 9.64	
9			18 96	ppm
9		20.1 m	19	
10		10.7	 20	
<u> </u>		20.1 m	 21	
ved 1 4	vetted width		22	
			 23 Channel Fe	akre.
3			 - L- L-4	
9	measurements		 25	
5 <u> </u>	m		 26 Dissolved	Okygen
6	apart			J
7				DAR
9				5
10			 n	

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth t

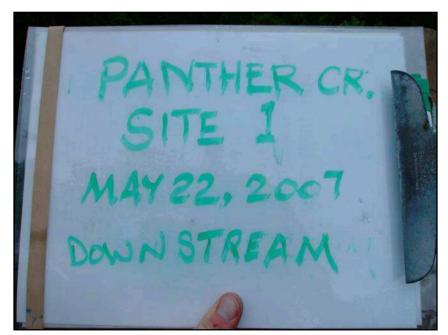
If there is an even number of entries, the median depth corresponds to the arithmetic average of the two

1, the undersigned, hereby affirm to the best of my datasheet is true and accurate.	knowledge, that all information reported on this UA
datasheet is true and accurate. Signed:	Date: 5/25/07
Organization: BWR	
February 5, 2007	Position: Env. Scientist

February 5, 2007



Upstream (Site #1) of Panther Creek.



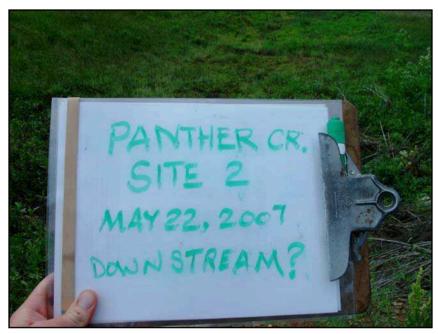
Downstream (Site #1) of Panther Creek.



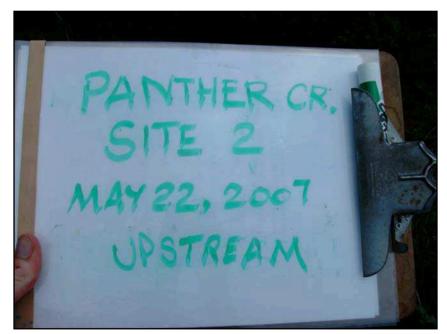
Upstream (Site #1) of Panther Creek.



Downstream (Site #1) of Panther Creek.



Downstream (Site #2) of Panther Creek.



Upstream (Site #2) of Panther Creek.



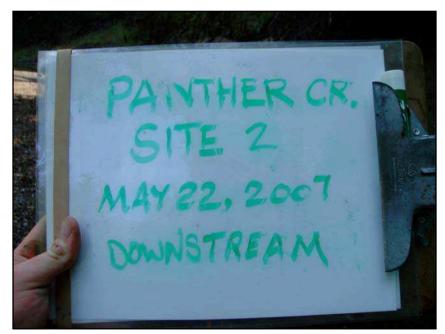
Downstream (Site #2) of Panther Creek.



Upstream (Site #2) of Panther Creek.



Upstream (Site #2) of Panther Creek.



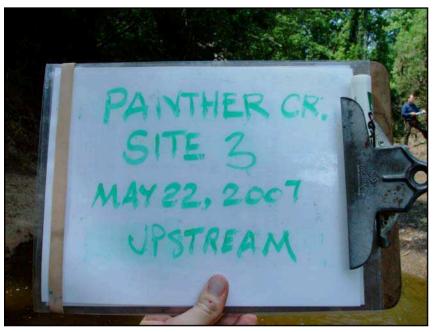
Downstream (Site #2) of Panther Creek.



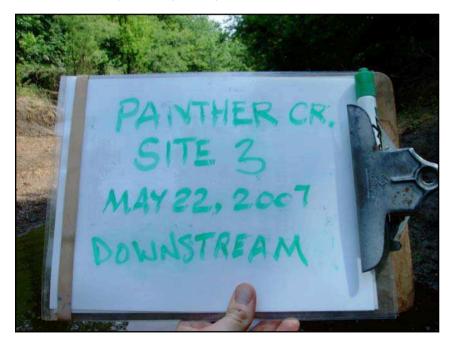
Upstream (Site #2) of Panther Creek.



Downstream (Site #2) of Panther Creek.



Upstream (Site #3) of Panther Creek.



Downstream (Site #3) of Panther Creek.



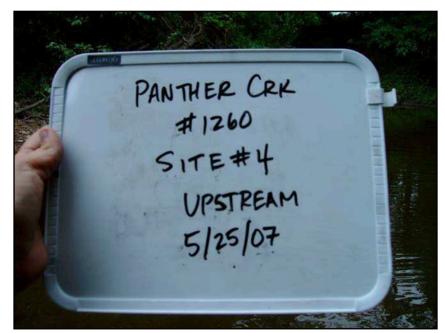
Upstream (Site #3) of Panther Creek.



Downstream (Site #3) of Panther Creek.



Downstream (Site #4) of Panther Creek.



Upstream (Site #4) of Panther Creek.



Downstream (Site #4) of Panther Creek.



Upstream (Site #4) of Panther Creek.

Memo

To: File

From: Mike Kruse, MO DNR

Date: April 24, 2008

Re: WBID 1260: 2007 UAA site 3

GPS coordinates were not written on the data sheets provided for Site 3. However, Alex L. Bartlett of BWR provided the GPS information via e-mail on February 2, 2008. The GPS coordinates Mr. Bartlett provided from his field notes for Site 3 are 38.5739, -94.0437 which would be UTM (Zone 15 X,Y) 409080, 4270011.

Field Data Sheet for Recreational Use Stream Survey

5/27/07

Data Sheet D—Recreational Use Interview
Stream Name Lanther CREEK (WBID# 1240)
<u>I. Introduction</u>
Date & Time (include AM or PM):
Interviewed: In person By phone By mail (NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)
Interviewee selected because (e.g., house next to stream; standing by stream, etc.)
Interviewer introduction to Interviewee: "My name is, I work for(name of your employer), and I am collecting information on how people use(name of the stream)" ASK: 1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.) Yes No If yes, list contact information for the interviewee below: Legal name: AMES (IFFLE (Im))
Current mailing address: 1886 Sw. 1100+h Ro GARDEN CITY, Mo Daytime phone number: (316) 773-8461 64747 E-mail address (optional):
2.a.) Do you live in this area? X Yes No If yes, how many years?
2.b.) If you don't live nearby, are you still familiar with this stream? Yes No If yes, how many years? If no, thank the individual for taking the time to talk to you and conclude the interview.
3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No If yes, proceed to "II. Personal Use?". If no, proceed to Section V.
 Personal Use? 1.) Have you or your family personally used the stream for recreation since November 28, 1975? Yes No If yes, proceed to #3. If no, proceed to #2.
2.a.) List reasons stream not used.
2b.) Proceed to "III. Witnessed Use?".
3.) How do you use the stream?

Whole Body Contact Recreation
Swimming Tubing Snorkeling/Skin Diving Water Skiing
If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:
4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
4.b.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol).
Secondary Contact Recreation
Fishing Wading Boating Trapping Other: List:
If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:
•
4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
4.d.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol)
III. Witnessed Use?
1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?".
2.) What kinds of uses have you witnessed?
Whole Body Contact Recreation
Swimming Tubing Snorkeling/Skin Diving Water Skiing
If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions: 2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

the protocol).	Describe specific location and mark on the map (Seemap requirements
Fishing Wading	Secondary Contact Recreation Boating Trapping Other: List:
	CR use since Nov. 28, 1975, ask the following questions:
2.c.) When (e.g., year(s)?;	son?; only after a rain?) and how often (times/year)?
2.d.) Where, exactly the protocol).	Describe specific location and mark on the map (Seemap requirements
IV. Anecdotal Use	, -
If yes, proceed If no, thank the	out anyone using this stream since Nov. 28, 1975 for recreation – not sent heard about it? Yes No to #2. individual for taking the time to talk to you and conclude the interview have you heard about?
	Whole Body Contact Recreation
Swimming	Tubing Snorkeling/Skin Diving Water Skiing
If Interviewee hear	of WBCR use since Nov. 28, 1975, ask the following questions:
•	take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
	The state of the s
map requirements in the	escribe specific location and mark on the map (See
map requirements in the	escribe specific location and mark on the map (See

Secondary Contact Recreation
Fishing Wading Boating Trapping Other: List:
If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:
2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol).
V. Others to Contact?
Can you recommend someone else we could contact that knows the stream? Yes No If yes, that person's contact info (name, address, phone, directions?)
If no, thank the individual for taking the time to talk to you and conclude the interview.
VI. Additional Comments
1.) From the Interviewee:
2.) From the Interviewer:
VII. Information on Interviewer
Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
Yes No If yes, how (check all that apply):
Workshop? (if so, enter date):
On-line training seminar?
Followed Interview Instruction Sheets? Other
Interviewer Information:
Signature: Printed Name:
1 ****** 1 (11114)
Employer (where applicable): Interviewer's phone #: E-mail:
1

Lect Message
Field Data Sheet for Recreational Use Stream Survey @ 9:50 Am

Stream Name Panther Creek (WBID # 1260)	7/0
I. Introduction	
Date & Time (include AM or PM):	
Interviewed: In person By phone By mail (NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)	
Interviewee selected because (e.g., house next to stream; standing by stream, etc.)	-
Interviewer introduction to Interviewee: "My name is, I work for(name of your employer), and I am collecting information on how people use(name of the stream)" ASK: 1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.) Yes No If yes, list contact information for the interviewee below: Legal name: George Foskor Current mailing address: 1198 Sw 1671st Ro, Garbert C171, Daytime phone number: (216) 862 - 8460 E-mail address (optional):	- Мо '7
E-mail address (optional): 2.a.) Do you live in this area? Yes \[\] No If yes, how many years?	
2.b.) If you don't live nearby, are you still familiar with this stream? Yes No If yes, how many years? If no, thank the individual for taking the time to talk to you and conclude the interview.	
3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No If yes, proceed to "II. Personal Use?". If no, proceed to Section V.	
 II. Personal Use? 1.) Have you or your family personally used the stream for recreation since November 28, 1975? Yes No If yes, proceed to #3. If no, proceed to #2. 	ì
2.a.) List reasons stream not used.	_
2.b.) Proceed to "III. Witnessed Use?".	_
3.) How do you use the stream?	

Whole Body Contact Recreation	
Swimming Tubing Snorkeling/Skin Diving Water Skiing	
If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:	
4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?	·
4.b.) Where, exactly? Describe specific location and mark on the map (See map require protocol).	nirements in
Secondary Contact Recreation	
Fishing Wading Boating Trapping Other: List:	
If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:	
4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?	·
4.d.) Where, exactly? Describe specific location and mark on the map (See map req the protocol).	uirements in
III. Witnessed Use?	
 Have you observed others using this stream for recreation since Nov. 28, 1975? No If yes, proceed to #2. If no, proceed to, "IV. Anecdotal Use?". 	☐ Yes ☐
2.) What kinds of uses have you witnessed?	
Whole Body Contact Recreation	· · ·
Swimming Tubing Snorkeling/Skin Diving Water Skiing	, []
If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following ques 2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?	

the protocol).	7? Describe specific location and mark on the map (Seemap requirements	in
		_
	Secondary Contact Recreation	
Fishing Wadin		
	d SCR use since Nov. 28, 1975, ask the following questions:	
	?; season?; only after a rain?) and how often (times/year)?	
		-
2.d.) Where, exactly the protocol)	y? Describe specific location and mark on the map (Seemap requirement	s i
IV. Anecdotal U	se?	
If yes, proce If no, thank	about anyone using this stream since Nov. 28, 1975 for recreation – not sat just heard about it? Yes No seed to #2. The individual for taking the time to talk to you and conclude the interviewes have you heard about?	
Swimming	Whole Body Contact Recreation Tubing Snorkeling/Skin Diving Water Skiing	
II Interviewee hea	rd of WBCR use since Nov. 28, 1975, ask the following questions:	
2.a.) When did these	Ises take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?	
map requirements in	Describe specific location and mark on the map (See the	

Secondary Contact Recreation
Fishiring Wading Boating Trapping Other: List:
If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:
2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often
(times/3-/ear)?
2.d.) Where, exactly? Describe specific location and mark on the (See
map requirements in the
protocol)
V Odlamic C in
V. Others to Contact?
Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?)
If no thank the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to talle to annual and the individual for taking the time to annual and the individual for taking the time to annual and the individual and talled the time to annual and talled the t
If no, thank the individual for taking the time to talk to you and conclude the interview.
VI. Additional Comments
1.) From the Interviewee:
2.) From the Interviewer:
VIII Information
VII. Information on Interviewer
Has interviewer been trained by Missouri DND to an Indix A T.
Has interviewer been trained by Missouri DNR to conduct UAA Interviews? Yes No If yes, how (check all that apply):
Workshop? (if so, enter date):
On-line training seminar?
Followed Interview Instruction Sheets?
Other
Interviewer Information:
Printed Name:
Employer (where applicable): Interviewer's phone #: E-mail:
4 ————————————————————————————————————

Field Data Sheet for Recreational Use Stream Survey

Stream Name Fanther CREEK (WBID # 1260)
I. Introduction
Date & Time (include AM or PM): 5/22/07-9:45 A.M.
Interviewed: In person By phone By mail (NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)
Interviewee selected because (e.g., house next to stream; standing by stream; etc.). PROPERTY OWNER ("Not intervested goodbye.") Interviewer introduction to Interviewee: "My name is, I work for(name of your employer) and I am collection information, I work for (name of your employer)
employer), and I am collecting information on how people use(name of the stream)" ASK:
1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.) Yes No If yes, list contact information for the interviewee below: Legal name: Vernon Harrison Current mailing address: 1/06 3w County road 22, Gracult Ciry, M Daytime phone number: (816) 862-8646 E-mail address (optional):
2.a.) Do you live in this area? X Yes No If yes, how many years?
2.b.) If you don't live nearby, are you still familiar with this stream? Yes No If yes, how many years?If no, thank the individual for taking the time to talk to you and conclude the interview.
3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No If yes, proceed to "II. Personal Use?". If no, proceed to Section V.
 II. Personal Use? 1.) Have you or your family personally used the stream for recreation since November 28, 1975? Yes No If yes, proceed to #3. If no, proceed to #2.
2.a.) List reasons stream not used.
2.b.) Proceed to "III. Witnessed Use?".
3.) How do you use the stream?

	Whole Body Contact Recreation
Swimming	Tubing Snorkeling/Skin Diving Water Skiing
If Interviewee (or far	aily) used the stream for WBCR since Nov. 28, 1975, ask:
	eason?; only after a rain?) and how often (times/year)?
4.b.) Where, exactly? the protocol).	Describe specific location and mark on the map (See map requirements
	·
	Secondary Contact Recreation
Fishing Wading	Boating Trapping Other: List:
If Interviewed for for	. John Al Ola Parav Laber
	nily) used the stream for SCR since Nov. 28, 1975, ask:
4.c.) When (e.g., year(s)?; so	ason?; only after a rain?) and how often (times/year)?
the protocol).	Describe specific location and mark on the map (See map requirements
III. Witnessed Use	?
NO	d others using this stream for recreation since Nov. 28, 1975? Yes
If yes, proceed If no, proceed	to #2. to, "IV. Anecdotal Use?".
2.) What kinds of use	s have you witnessed?
	Whole Body Contact Recreation
Swimming	Tubing Snorkeling/Skin Diving Water Skiing
2.a.) When (e.g., year(s	sed WBCR use since Nov. 28, 1975, ask the following questions: ?; season?; only after a rain?) and how often

the protoco	e, exactly? D	escribe specific	c location and	mark on th	he map (Se	eemap requiren	nents in
				-			
Secondary Contact Recreation							
Fishing	Wading	Boating	Trapping	Other:	List:		
If Interviewe	witnessed SCR	use since Nov. 2	8, 1975, ask the f	ollowing qu	estions:		
2.c.) When ((e.g., year(s)?; seaso	n?; only after a rain?)	and how often	(times/year)?_			
		· - · · - · · - · · · · · · · · · · · ·		·			· · · · · · · · · · · · · · · · · · ·
2.d.) Wher	re, exactly? [Describe specif	c location and	mark on i	the map (S	Seemap require	ments in
							
IV. Aneco	dotal Use?						
If y	es, proceed to	t heard about r	t?	_l No		or recreation —	
		ive you heard		io taik to y	ou and co	include the lift	rview.
			Body Contact	Recreation	n	·	
Swimming		Tubing				Water Skiing	
If Intervie	wee heard of	WBCR use si	nce Nov. 28,	1975, ask	the follow	ing questions:	
2.a.) When	did these uses ta	ike place (e.g., year	(s)?; season?; only af	er a rain?) and	l how often	(times/year)?	
							
							
map require	ments in the	cribe specific lo					
					<u>.</u>		
			· - 				

Secondary Contact Recreation					
Fishing Wading Boating Trapping Other: List:					
If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:					
2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?					
2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol).					
V. Others to Contact?					
Can you recommend someone else we could contact that knows the stream? Yes No If yes, that person's contact info (name, address, phone, directions?)					
If no, thank the individual for taking the time to talk to you and conclude the interview.					
VI. Additional Comments					
1.) From the Interviewee:					
2.) From the Interviewer:					
2.) From the interviewer:					
VII. Information on Interviewer					
Has interviewer been trained by Missouri DNR to conduct UAA Interviews? Yes No If yes, how (check all that apply):					
Workshop? (if so, enter date):					
Un-line training seminar?					
Followed Interview Instruction Sheets?					
Other					
Interviewer Information:					
Signature: Printed Name:					
Printed Name: Employer (where applicable):					
Interviewer's phone #: E-mail:					